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Substitute for form 1449A/PTO		<u>Complete If Known</u>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		Application Number	10/621,897
		Filing Date	7/17/2003
		First Named Inventor	Jacobson, Joseph M.
		Art Unit	1711
		Examiner Name	
Sheet	1	of	5
		Attorney Docket Number	

U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature	/William Phillip Fletcher III/	Date Considered	07/10/2006
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
WPF	L1	AHMED, F.R. et al., "Bis(Diacetylene)s I:Langmuir-Blodgett Films," <i>Thin Solid Films</i> , 1990, 141-153, Vol 187.			
	L2	ALAMI, Mouad et al., "A Convenient Route to Unsymmetrical Conjugated Diynes," <i>Tetrahedron Letters</i> , 1996, 2763-2766, Vol. 37:16.			
	L3	ARCHER, Eric A. et al., "Nanostructured Polymer Duplexes via the Covalent Casting of 1-Dimensional H-Bonding Motifs: A New Strategy for the Self-Assembly of Macromolecular Precursors," <i>J. Am. Chem. Soc.</i> , 2000, 5006-5007, Vol. 122:20.			
	L4	BATCHELDER, D.N. et al., "Self-Assembled Monolayers Containing Polydiacetylenes," <i>J. Am. Chem. Soc.</i> , 1994, 1050-1053, Vol. 116:3.			
	L5	BOAL, Andrew K. et al., "Binary and Ternary Polymer-Medicated "Bricks and Mortar" Self-Assembly of Gold and Silica Nanoparticles," <i>Adv. Funct. Mater.</i> , December 2001, 461-465, Vol. 11:6.			
	L6	CHAN, Kwok C., et al., "Polymeric Self-Assembled Monolayers. 3. Pattern Transfer by Use of Photolithography, Electrochemical Methods, and an Ultrathin Self-Assembled Diacetylenic Resist," <i>J. Am. Chem. Soc.</i> , 1995, 5875-5876, Vol. 117:21.			
	L7	CRISP, Geoffrey T. et al., "Preparation of Biological Labels with Acetylenic Linker Arms," <i>Tetrahedron</i> , 1997, 1505-1522, Vol. 53:4.			
	L8	FULLAM, Stephen et al., "Carbon Nanotube Templatated Self-Assembly and Thermal Processing of Gold Nanowires," <i>Adv. Mater.</i> , October 2, 2000, 1430-1432, Vol. 12:19.			
	L9	KIM, Taisun et al., "Polymeric Self-Assembled Monolayers. 2. Synthesis and Characterization of Self-Assembled Polydiacetylene Mono- and Multilayers," <i>J. Am. Chem. Soc.</i> , 1995, 3963-3967, Vol. 117:14.			
	L10	KOHLI, P. et al., "Applying Polymer Chemistry to Interfaces: Layer-by-Layer and Spontaneous Growth of Covalently Bound Multilayers," <i>Langmuir</i> , 2000, 4655-4661, Vol. 16:10.			
▼	L11	KOHLI, P. et al., "Assembly of Covalently-Coupled Disulfide Multilayers on Gold," <i>J. Am. Chem. Soc.</i> , 11962-11968, 1998, Vol. 120:46.			

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WPF	L12	LEE, Seok-Won et al., "Molecular Adsorption of n-Alkyl Amines, Carboxylic Acids, and Amides onto Well-Defined, Polar Organic Surfaces." <i>Israel Journal of Chemistry</i> , 2000, 99-106, Vol. 40.	
	L13	LEEFF, Daniel V. et al., "Synthesis and Characterization of Hydrophobic, Organically-Soluble Gold Nanocrystals Functionalized with Primary Amines," <i>Langmuir</i> , 1996, 4723-4730, Vol. 12:20.	
	L14	LEWIS, Penelope A. et al., "The Role of Buried Hydrogen Bonds in Self-Assembled Mixed Composition Thiols on Au(111)," <i>J. Phys. Chem. B</i> , 2001, 10630-10636, Vol. 105:43.	
	L15	LI, Xiaoyu et al., "DNA-Catalyzed Polymerization," <i>J. Am. Chem. Soc.</i> , 2002, 746-747, Vol. 124:5.	
	L16	LIBIOULLE, Laurent et al., "Contact-Inking Stamps for Microcontact Printing of Alkanethiols on Gold," <i>Langmuir</i> , 1999, 300-304, Vol. 15:2.	
	L17	MAOZ, Rivka et al., "Self-replicating amphiphilic monolayers," <i>Nature</i> , November 14, 1996, 150-153, Vol. 384.	
	L18	MAOZ, Rivka et al., "Targeted Self-Replication of Silane Multilayers," <i>Adv. Mater.</i> , 1998, 580-584, Vol. 10:8.	
	L19	MATSUI, Hiroshi et al., "Bolaamphiphile Nanotube-Templated Metallized Wires," <i>J. Phys. Chem. B.</i> , 2000 9576-9579, Vol. 104:41.	
	L20	MATSUMOTO, Jin et al., "Molecular Recognition and Photopolymerization of Nucleobase Monolayer Containing Diacetylene Group at the Air-Water Interface," <i>Chemistry Letters</i> , 2000, 1280-1281.	
	L21	MIURA, Yoshiko et al., "Multilayer formation of oriented helical peptides glued by hydrogen bonding," <i>Thin Solid Films</i> , 2001, 59-65, Vol. 393.	
W	L22	MORIGAKI, Kenichi et al., "Patterning Solid-Supported Lipid Bilayer Membranes by Lithographic Polymerization of a Diacetylene Lipid," <i>Angew. Chem. Int. Ed.</i> , 2001, 172-174, Vol. 40:1.	

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WPF	L23	MUSICK, Michael D. et al., "Metal Films Prepared by Stepwise Assembly. 2. Construction and Characterization of Colloidal Au and Ag Multilayers," <i>Chem. Mater.</i> , 2000, 2869-2881, Vol. 12:10.		
	L24	NARAYANA RAO, M. Lakshmi et al., "A Simple Convenient Method for the Synthesis of 1-Iodoalkynes," <i>Synthetic Communications</i> , 1995, 2295-2299, Vol. 25:15.		
	L25	NUZZO, Ralph G. et al., "Fundamental Studies of Microscopic Wetting on Organic Surfaces. 1. Formation and Structural Characterization of a Self-Consistent Series of Polyfunctional Organic Monolayers," <i>J. Am. Chem. Soc.</i> , 1990, 558-569, Vol. 112:2.		
	L26	PALACIN, Serge et al., "Building Two-Dimensional Polymers by the Langmuir-Blodgett Technique," <i>Thin Films</i> , 1995, 69-82, Vol. 20.		
	L27	RINGSDORF, Helmut et al., "Molecular Architecture and Function of Polymeric Oriented Systems: Models for the Study of Organization, Surface Recognition, and Dynamics of Biomembranes," <i>Angew. Chem. Int. Ed. Engl.</i> , 1988, 113-158, Vol. 27.		
	L28	SAITO, Noriko et al., "Low-Temperature Fabrication of Light-Emitting Zinc Oxide Micropatterns Using Self-Assembled Monolayers," <i>Adv. Mater.</i> , 2002, 418-421, Vol. 14:6.		
	L29	SHIMOMURA, M. et al., "DNA-mimetics: towards novel molecular devices having molecular information," <i>Synthetic Metals</i> , 2003, 473-475, Vol. 133-134.		
	L30	SIJBEESMA, Rint P. et al., "Reversible Polymers Formed from Self-Complementary Monomers Using Quadruple Hydrogen Bonding," <i>Science</i> , November 28, 1997, 1601-1604, Vol. 278.		
	L31	STROOCK, Abraham D. et al., "Synthesis of Free-Standing Quasi-Two-Dimensional Polymers," <i>Langmuir</i> , 2003, 2466-2472, Vol. 19:6.		
	L32	TIEKE, B. et al., "Polymerization of Tricosa-10,12-dynoic Acid in Multilayers," <i>Angew. Chem. Int. Ed. Engl.</i> , 1976, 764-765, Vol. 15:12.		
▼	L33	TILLMAN, Nolan et al., "Formation of Multilayers by Self-Assembly," <i>Langmuir</i> , 1989, 101-111, Vol. 5:1.		

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